



State Of Ohio Environmental Protection Agency

Northeast District Office  
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Richard F. Celeste, Governor

REPORT ON DETAIL PLANS OF A PROPOSED SANITARY WASTEWATER TREATMENT WORKS FOR  
ACME SCRAP IRON & METAL COMPANY, ASHTABULA TOWNSHIP, ASHTABULA COUNTY

On March 12, 1987, this office received detail plans of a proposed sanitary wastewater treatment works for Acme Scrap Iron & Metal Company in Ashtabula Township, Ashtabula County. The plans were prepared and submitted by A. C. Charnas & Associates, Engineers & Consultants.

General

The proposed sanitary wastewater treatment work is located at 2110 State Road, Ashtabula, Ohio.

Sewage Treatment Facilities

The proposed sewage treatment facilities are to consist of an existing 5,000 gallon septic tank, followed by a new 1,000 gallon septic tank, a dosing chamber, a 720 sq. ft. subsurface sand filter and 600 lineal feet of evaporation-transpiration tile field.

A dosing chamber will be equipped with dual submersible pumps, each having a capacity of 80 gpm at a total dynamic head of 10 feet. A visual-type alarm device will be included in case of any pump malfunction.

The subsurface sand filter will be of conventional design providing a total surface area of 720 square feet equally divided into two beds. A distribution chamber will precede the subsurface sand filter to allow the incoming flow to be alternated from one bed to the other.



Final effluent will discharge to a 600 lineal feet evaporation-transpiration tile field. A distribution chamber will precede the dissipation field. The crest of the tile lines will have a maximum of 8 inches from final grade.

Water is currently being supplied from ASHCO water system.

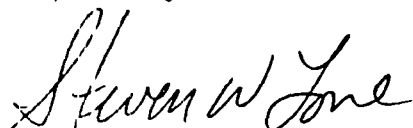
Estimated Cost

\$8,500.00

Summary

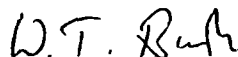
Detail plans of a proposed sanitary wastewater treatment work for Acme Scrap Iron & Metal Company, appear satisfactory. It is recommended that they be approved subject to the usual conditions.

Prepared by:



Steven W. Love  
Environmental Scientist  
Industrial Wastewater

Reviewed by:



William T. Bush, P.E.  
District Engineer  
Industrial Wastewater

SWL:mjo

March 17, 1987

INSPECTION NOTES - July 21, 1982

Re: Acme Scrap  
Ashtabula County  
Industrial Wastewater

Revisited Acme Scrap on July 21, 1982, in regard to their July 13, 1982, letter stating that they had finalized work on their oil retention lagoon. See inspection notes of June 2, 1982, for prior deficiencies.

Lagoon observed. Moderate oil sheen in general. Heavy viscous oil accumulation at southeast corner (leeward side) very similar in appearance as that observed discharging to Fields Brook during previous observations. Rip-rap on spillway consisted of what appeared to be old pieces of conveyer belt draped over it. Section of storm sewer that had permitted previous bypassing appeared to be destructed and backfilled properly. All wastewater appeared to be going into oil retention lagoon and no visual pollutants could be observed leaving the lagoon -- just clear water.

Outfall at Fields Brook observed. Discharge clear. Old boom removed and lying on creek bank. Very slight oil sheen in area. Appeared to be coming from residual oil deposits on bank, though. The best the Brook looked at this point in regard to oil since beginning observations on Acme.

Dennis E. Lee, P.E. *DL*  
Group Leader  
Division of Industrial Wastewater

DEL:mjo  
August 12, 1982

cc: S. Tuckerman, DHMM, NEDO



## INTER-OFFICE COMMUNICATION

TO: Dennis Lee - IWW DATE: June 28, 1982  
FROM: Steve Tuckerman - DHMM *ST*  
SUBJECT: Acme Scrap.

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Rich Shank, Chief of DHMM Surveillance and Enforcement, and I met with Sam Simon and Joe Kemp of Acme Scrap on June 18, 1982. The purpose of the meeting was to persuade them to attend the Fields Brook generators meeting on June 23, 1982, in Columbus and to inspect their "oil/water separator pond." Mr. Simon stated that 15 feet of the old conduit had been broken up and covered with clay and the ends of the pipe had been plugged. Mr. Simon also expressed his intentions to follow your recommendations of building up the dike and using rip-rap for erosion protection. The pond had a very light oil sheen over its entire surface. Near the inflow pipe there was an accumulation of less than 5 gallons of very thick oil which was very similar in appearance to the oil that used to accumulate behind the oil boom in Fields Brook at State Road. Mr. Simon stated that he intends to leave the boom in Fields Brook in place for a few more weeks to collect any oils which may still be adhering to the inside of the pipe. He will then remove the boom and place it near the inflow of their separator pond to concentrate the oil for easier removal. An inspection of the boom in Fields Brook revealed only an oil scum and light sheen behind the boom.

ST:km